



TMDL Implementation Workshop for Local Governments: TMDLs and Tributary Strategies

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Richard Eskin, MDE

The Jigsaw Puzzle Analogy

- Developing the Tributary Strategies in conjunction with TMDLs will be like assembling a jigsaw puzzle.
 - The Tributary Strategy allocations are the big picture, like the cover of the puzzle box - it tells you what it will look like in the end.
 - Local TMDLs will be the small pieces with a distinctive color or pattern that are easy to associate and place within the big picture.
 - WRASs will complement both TMDLs and Trib Strategies are the transition colors, providing the understanding for implementation and tying things together.



Scheduling for Maximum Effectiveness

- MDE clearly recognizes that timing of various aspects and geographic coverage for the TMDL program can affect some decisions that will need to be made by the Trib Teams.
- MDE will do everything possible to minimize perceived conflicts and maximize the effectiveness of the cooperative and regulatory approaches.

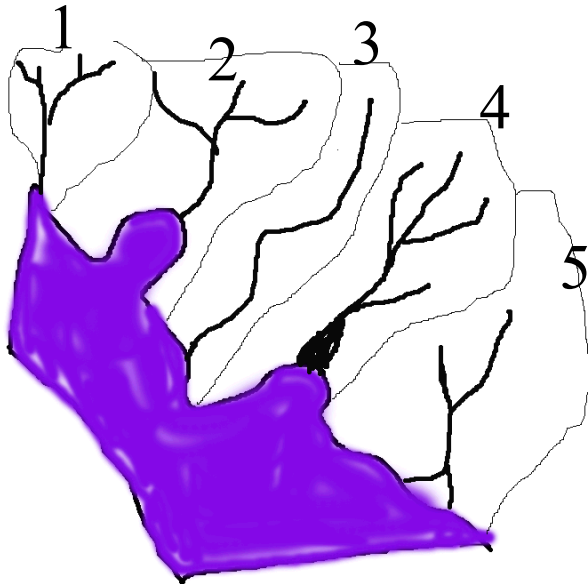
Possible Scenarios

1. If the load analysis shows that the Bay (Tributary Strategies) load **allocations** are equal to or less than the allowable loads for a TMDL, the Tributary Strategies implementing the Bay allocations will serve to implement the TMDL as well.
2. However, if the TMDL allocation is less than that required by the Bay load allocations, additional implementation will be applied to reach the more stringent TMDL goal.

Scenario 1

Sub-watershed 4 on 303(d) list
TMDL = 22

Current Load = 150
Bay Allocation = 100
Sub-watersheds
1 = 20
2 = 20
3 = 20
4 = 20
5 = 20



TMDL load \geq Bay Allocation
Bay allocation applies.

Scenario 2

**Sub-watershed 4 on 303(d) list
TMDL = 15**

TMDL load < Bay Allocation

**Additional reductions targeted
to Sub-watershed 4.**

**Sub-watersheds 1-3, 5 can now
have allocation of 21.25 or can
have total load of 95 instead of
100.**

**Current Load = 150
Bay Allocation = 100
Sub-watersheds**

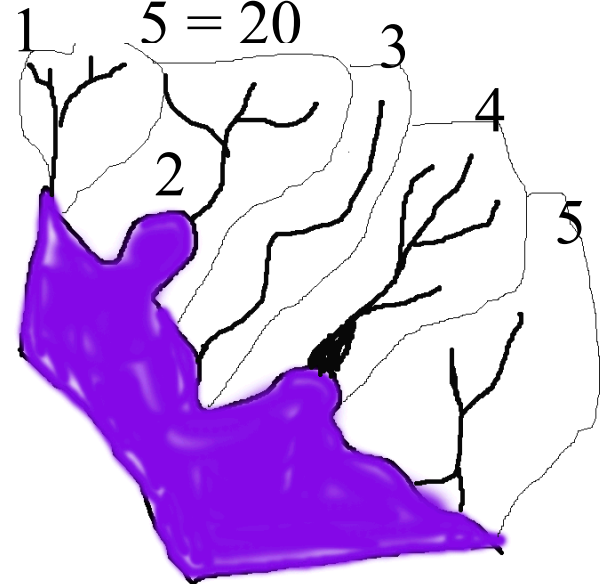
1 = 20

2 = 20

3 = 20

4 = 15

5 = 20



Implementation

- The Tributary Teams will develop basin specific implementation plans by December.
- These same plans, proportionately applied, will be used as the starting point for implementation for the TMDLs.
- Some refinement may be necessary to account for heterogeneous sources between the larger Trib basin and the smaller TMDL basin.
- Developing a system to track implementation is essential.